



Danish Yacht 38

by Danish Yacht, Espen Øeino International and Art Line

Reflecting the long maritime history that has developed between Scandinavia and Central Northern Europe, Danish Yacht is a modern shipyard located in the far north of Denmark. Its headquarters are in the famous city of Skagen. Skagen is renowned as an attractive tourist destination that overlooks the North Sea, in the same area as the Skaggerak strait, which became famous for the epic naval battle at Jutland during World War I.

Today, Danish Yacht has made a name for itself for building modern superyachts using advanced composites and highly innovative technologies. The Danish yard is particularly experienced in sophisticated production techniques using carbon fibre epoxy. The yard has ISO certification and builds superior quality vessels that meet with the highest international standards – such as the DNV (Det Norske Veritas), MCA (Maritime and Coastguard Agency), IMO SOLAS (safety of life at sea) and HSC (high speed craft safety code).

The forward-looking Danish Yacht yard is at the avant-garde of technology, and builds all its lightweight vessels in an environmentally responsible way, to generate less environmental impact than that of the competition. This method also ensures a better weight/power ratio for the vessels, which effectively means less engine power is required, and at the same time much higher speeds can be reached. Speed, then, is an important factor for Danish Yacht.

It comes as no surprise, therefore, that the yard is currently building a truly modern power yacht designed by Espen Øeino International. ➤





One of the numerous impressive features that this yacht can boast of is that, when completed, it will be the fastest yacht in the world to have just two diesel engines and jet propulsion. Indeed, the new 38-metre motor yacht will be able to reach top speeds of over 50 knots. However, her excellent performance capabilities will be matched by many more remarkable characteristics.

For example, there is the option of including a small light aircraft on board, namely the Akoya Aircraft by Lisa Airplanes, made in advanced carbon fibre composite. Those looking forward to admiring this special yacht and all her impressive features will not have to wait long. Her launch and delivery are expected to take place just in time for the beginning of 2009. Once launched, the new build from Danish Yachts will flaunt a sporty exterior design. Her attractive exterior has been designed by Espen Øino International, and displays a harmonious blend of dynamic

lines and smooth forms. Overall she has a contemporary, progressive look with a streamlined, modern hull. She has a curved, low-set superstructure with an understated antenna-holder arch, giving her aerodynamic style and great beauty. Danish Yacht's latest creation is a symbol of speed, and the ultimate symbol of creativity.

The main data

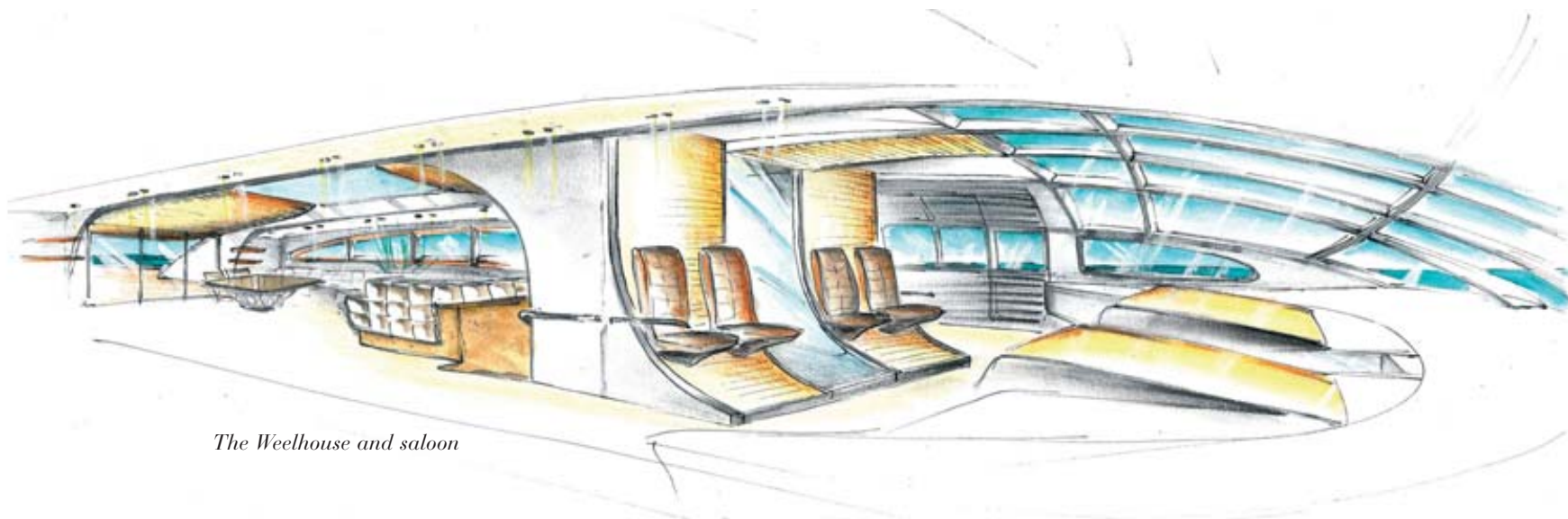
The yard refers to this build as Project MK2 Power 125', or as DayBoat 38 metres. The yacht is being built to comply with the strict classification criteria of DNV (Det Norske Veritas), Maltese Cross 1A1 and HSLC YACHT R3; she will also fulfil the rigorous demands of the MCA (Maritime and Coastguard Agency) regulation, making her eligible for charter use.

With its elegant and sporty image, the new 38 metres is a clear expression of emotional energy and power, conveying a strong sensation of the high speeds conferred upon it by avant-garde design techniques.

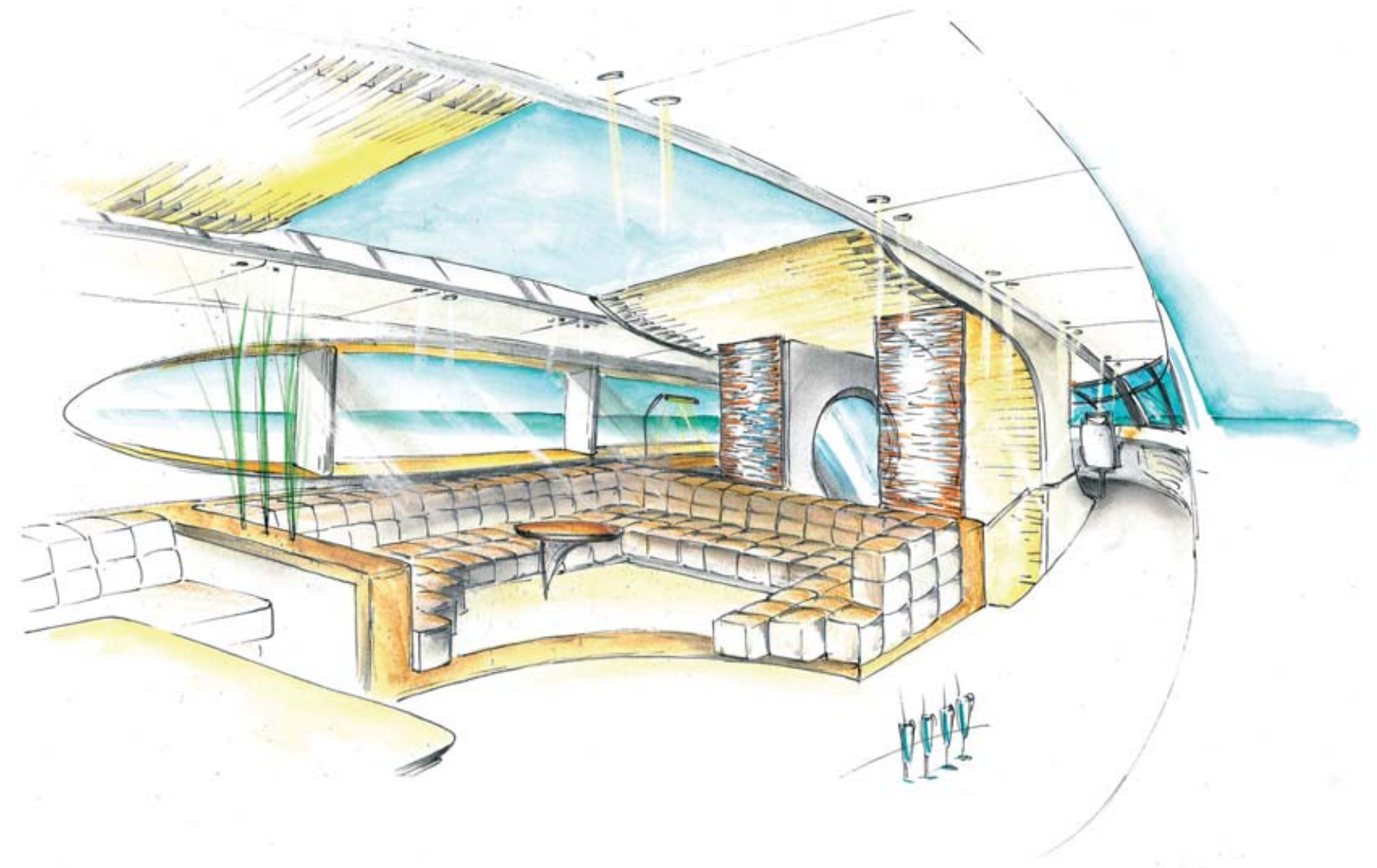
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*Like the frames of a film sequence,
here is a succession of differently coloured versions of the hull.
These images interpret the new yacht in a rather original manner,
transforming it into an icon of contemporary design
in a way very like Andy Warhol's renowned multiples.*

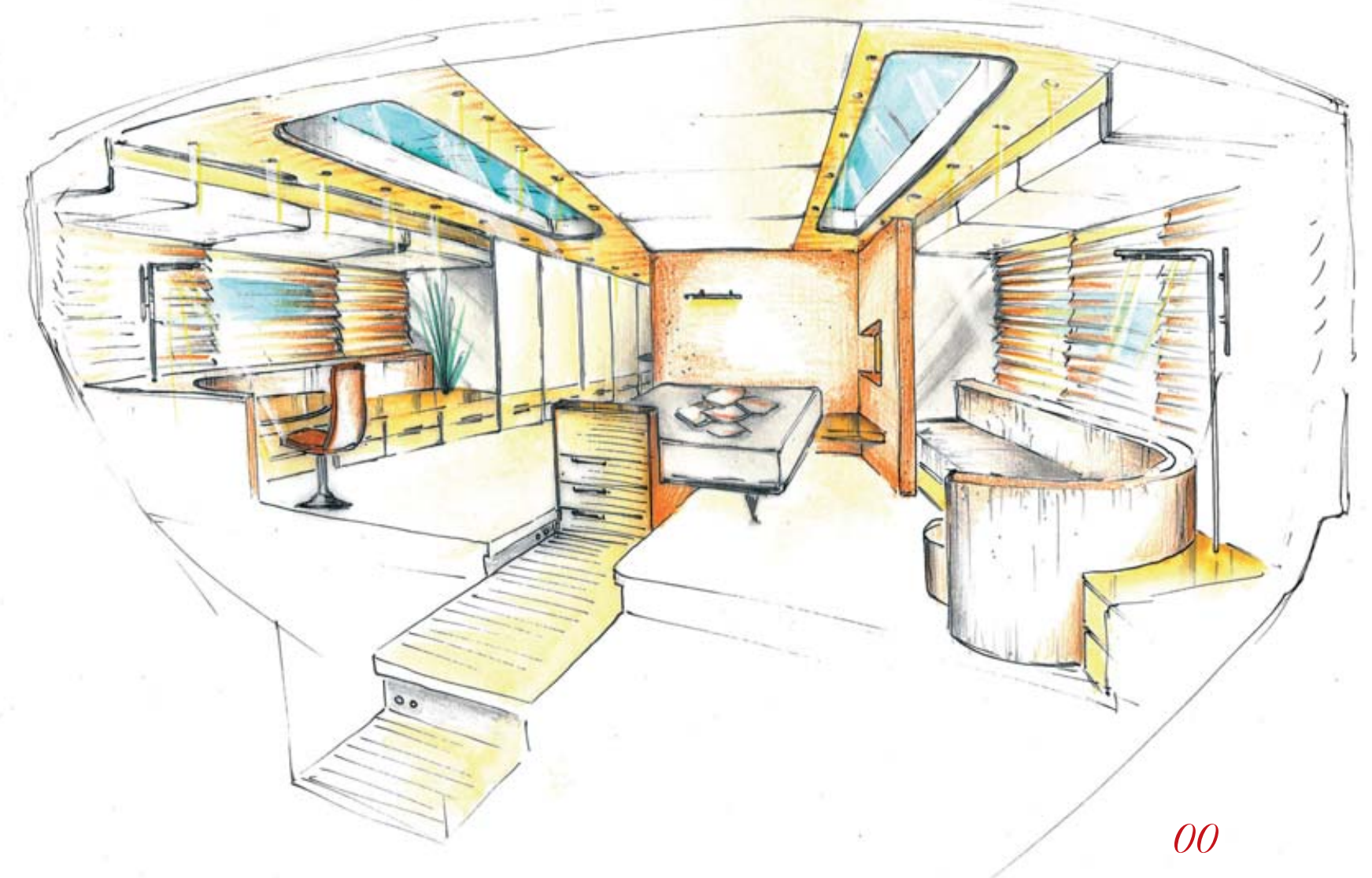




The Wheelhouse and saloon



▲ The main saloon ▼ The Owners suite



With structural engineering by Danish Yacht and SP Technologies, the hull and superstructure are being built with advanced vacuum bag technology, using epoxy carbon fibre material with a divinicell foam core. The female mould being used was made with a numerical control cutting machine.

As for the yacht's dimensions, she has a length overall of 38 metres with maximum beam of 7.5 metres, while the draught is less than one and a half metres. The unit has 112 tons displacement when empty, and her displacement when fully loaded is 158 tons. The engine room will be installed with twin, sixteen- cylinder, 16V 4000 series M92L-type MTU engines, each able to pump out 3440 kW.

The two diesel engines will be connected to an efficient propulsion system with MJP water jets; combined with a planing hull with a fast bottom and a stern angle of 19 degrees, they will be able to propel the yacht to top speeds of between 48 and 52 knots, depending on sea conditions and load.

With her 20- thousand-litre fuel tanks, the yacht is expected to have a range of approximately 6000 nautical miles. The freshwater tanks on this new unit are able to hold up to 6000 litres of liquid, and will be constantly refilled by a Hem desalinator system with a daily output of 8 thousand litres. Meanwhile, the sewage and greywater tanks will be able to hold up to 4500 litres of waste water, treated with a Hamann water treatment system.

The long list of impressive technical features on the new Danish Yacht 38 includes two Fischer Panda generator sets of 60 kW each, and a bow propeller that can be fully retracted so as not to alter the full efficiency of the water lines with turbulence. The mooring capstans and anchor winches are by Maxwell, the telescopic gangboard will be by Besenzoni or alternatively Opacmare, while the four life rafts are by Viking – each can hold up to eight people.

The wheelhouse contains navigation and communication instruments by Furuno, C-Plath and B&G by Simrad. The garage can hold a 5-metre Nautica or Novurania jet tender; or alternatively, a 4-metre jet tender plus a Yamaha jet ski.

The boat layout

The space on board the new Danish Yacht 38 has been carefully designed to accommodate up to 10 passengers, Owners included, in five cabins. Meanwhile, the yacht can sleep up to six crew members in three cabins. The interior layout has been ingeniously arranged by Espen Oeino International, while the interior design and décor are the work of the Dutch firm Art Line.

Brilliant; cutting-edge solutions have been used to create large, rational, functional spaces that are bright, airy and remarkably comfortable. The décor and furniture have been chosen to make each room innovative and original in style, with an out-of-the-ordinary look based on clean geometrical shapes combined with smooth forms, using pure materials and simple colours.

In fact, the interior is a faithful reflection of the bold, sporty spirit that comes through in the yacht's exterior styling and permeates every aspect of this boat, giving her a special, dynamic atmosphere. Aft on the main deck there is a large sunbathing area on a raised platform, covered with sun mattresses.

Next to it is a spacious cockpit, with seating arranged around a table for open air lunches, as well as two long couches strategically arranged for relaxing in the shade. Inside the yacht, amidships, the superstructure contains a vast salon and a majestic wheelhouse.

Three evocative sketches of some internal areas: the wheelhouse with its high-tech aero-style look, the large living room with its ultra modern furnishings, and the Owner's cabin with its innovative arrangement of space.

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The drawing of the hull clearly shows the dynamic flow of the water lines. In addition to the compact propulsion system made up of the engines and the water jets, the section reveals the meticulous rationalization of functional and social spaces.

In the two areas separated by the central structure, which has a staircase leading down to the lower deck. Natural light shines into the salon through the long wraparound windows at either side as well as a vast panoramic sun roof. There is an attractive bar area with a counter and bar stools, which serves both the cockpit and the salon itself.

The salon includes a dining area and a living area: the former is furnished with banquette seating and dining chairs around a table; while the comfortable living area is furnished with a corner sofa of colossal proportions, and a coffee table. It has an entertainment system with two TV screens and a home theatre.

The fully glazed wheelhouse contains a futuristic dashboard, with four aero-style pilots' seats. Back on deck again, forward we find another large sunbathing area covered with sun mattresses, again on a raised section of the deck.

Next to it is a sofa offering panoramic views, facing the technical area. The bow area of the lower deck is set aside for the spacious Owner's suite. The Owner's stateroom is furnished with a double bed in the centre of the room, while a desk and a sofa are placed against the bulwarks on either side. A walk-in wardrobe separates the bedroom from the large en-suite bathroom, with a washbasin and large, separate shower room. Amidships on the same deck is the large area for guest accommodation and crew's quarters.

The private area for guests consists of four comfortable cabins. Two of these are furnished with twin single beds and a wardrobe in addition to their own en-suite bathrooms with washbasin and shower box. Meanwhile, the other two both have a double bed and a wardrobe, and en-suite bathrooms as above.

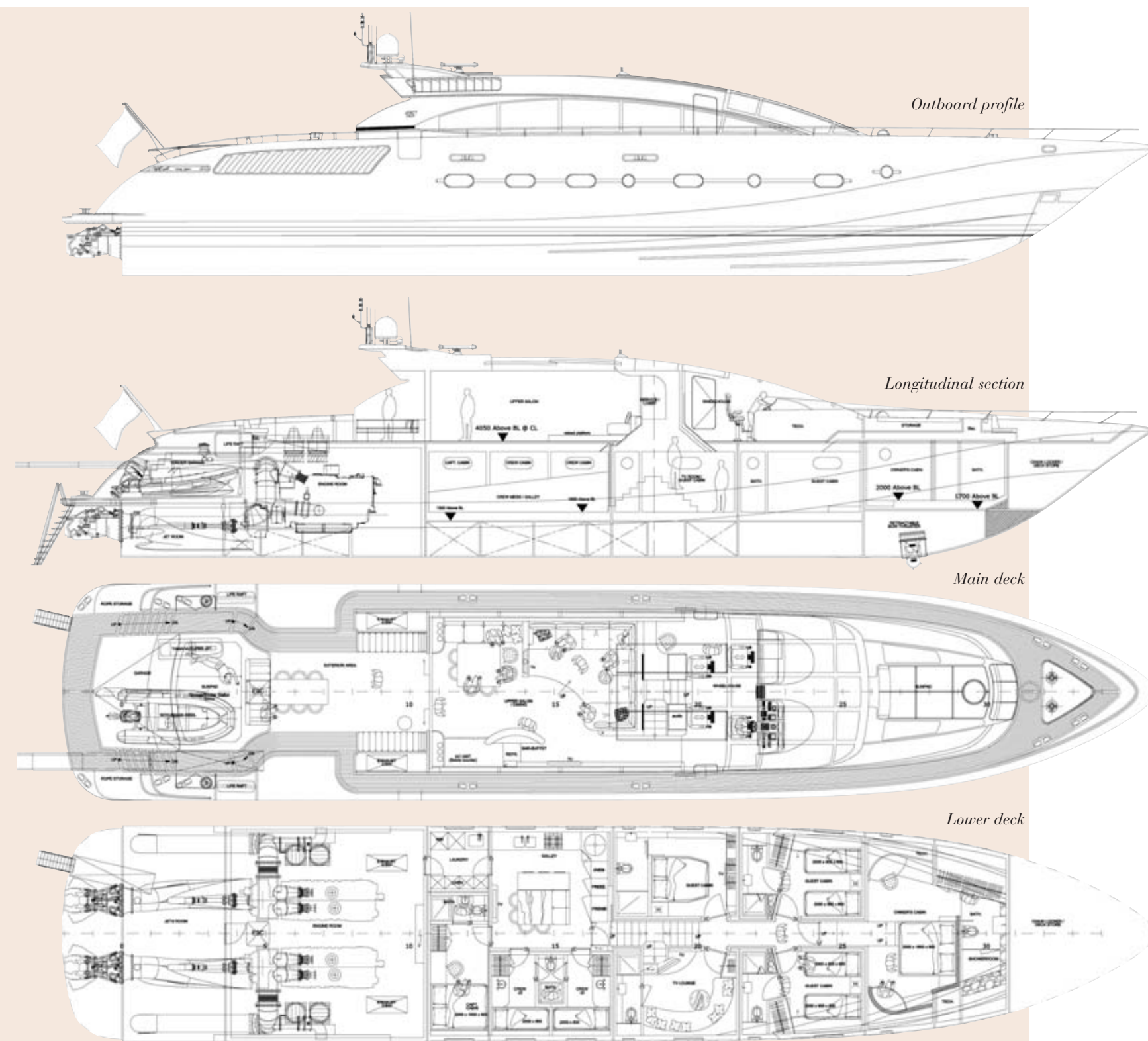
However, if the client prefers, the cabin on the starboard side can instead be furnished as a television lounge, which would include a TV screen, a semi-circular sofa and a coffee table.

The crew's quarters include the professionally-equipped galley, a crew dinette with table and chairs, as well as the laundry and three cabins. One is for the captain, and has a double bed, desk and wardrobe; it also has an en-suite bathroom with washbasin and shower box.

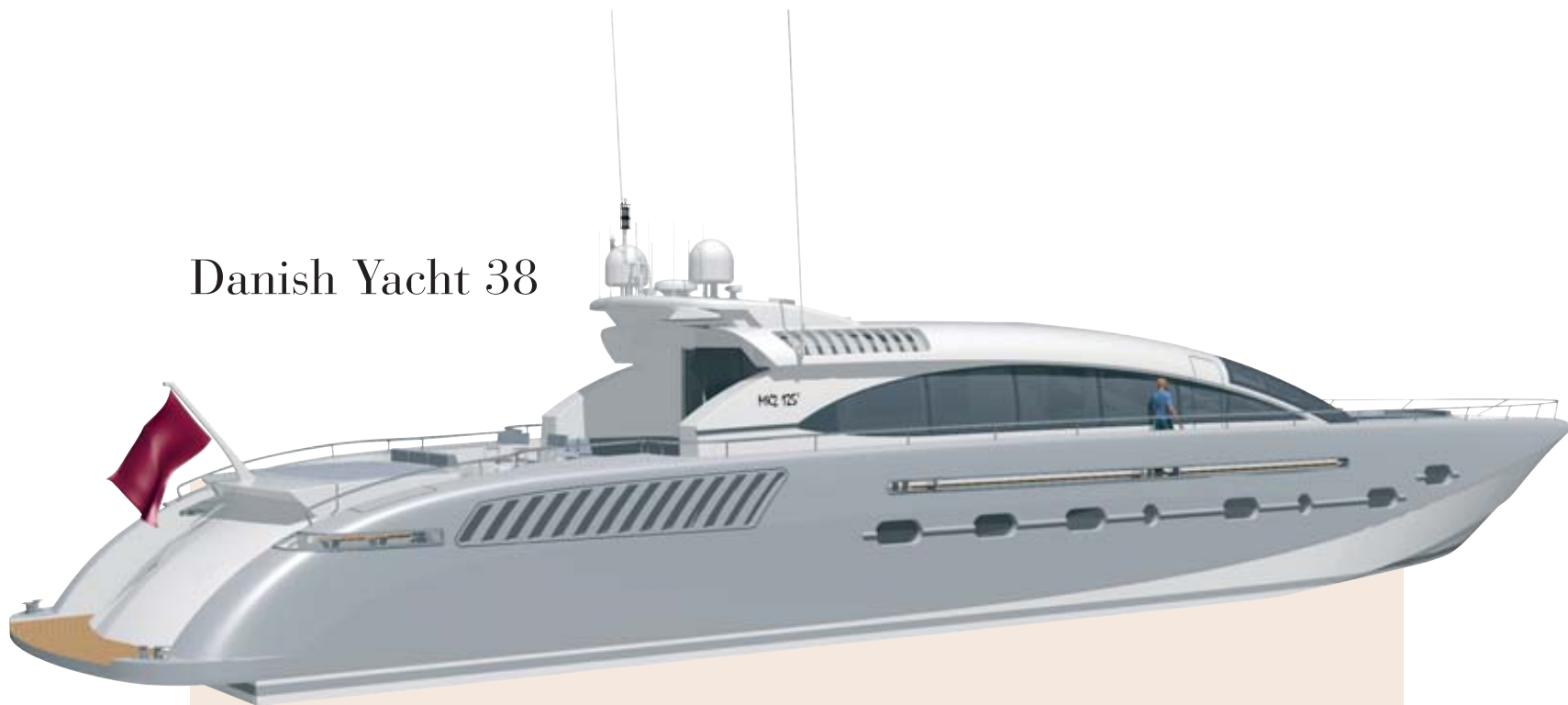
Meanwhile, the two sailors' cabins are both furnished with twin single pullman beds and a wardrobe. The two cabins are divided by a shared bathroom with a shower box.

Astern on the lower deck, the technical area includes the engine room, with the main engines and generators, as well as the jets room, with the hydrojet transmission systems and tunnels. Above the jets room is the tender garage, with a large hatch door that opens out onto the vast bathing platform.

Flaviano Perelli



Danish Yacht 38



TECHNICAL SPECIFICATIONS

| | |
|------------------------------|---|
| Hull & Superstructure | Infusion technology - CNC created female Mould - vacuum bag, epoxy Carbon and Divinacell Foam Core material |
| LOA | 124 ft / 38 m |
| Breadth | 24 ft / 7.50 m |
| Draft | 4 ft / 1.35 m |
| Speed | 48 - 52 knots |
| Range | 600 Miles (approx.) |
| Displacement | 112 tons (lightship) |
| Fuel capacity | 20,000 L / 5,283.44 USG |
| Fresh water capacity | 6,000 L / 1,585 USG |
| Black & grey water capacity | 4,500 L / 1,188.77 USG |
| Sludge tank | 1,500 L / 396.25 USG |
| Main Engines | 2 x MTU 4000 16V M92L @ 3440 kW each Water Jets: MJP |
| Generators | 2 x Fischer Panda 60 kW complete with Dief Power Management System or equal |
| Watermaker | HEM with a capacity of 8,000 litres per day Diesel Oil Filtration System MTU |
| Fresh water system | Brand: Gundfoss / Hem |
| Black water treatment system | Haman / Technicomar |
| Monitoring System | Lingsui, Rolls Royce or Nor Control with approximately I/O'S |
| Classification | The yacht is built under Det Norske Veritas Notation: 1A1 HSLC Yacht (R3); MCA The vessel is constructed to withstand twin compartment damage surviveability. GMDSS Compliance (Global Maritime Distress and Safety System) International convention for preventing collision at sea (latest ratified version) |
| Mooring equipment | Maxwell VWC 4500 and VC 4000 (Anchor Windless and Mooring Capstans) |
| Passerelle | Besenzoni / Opacmare 5.0M automatically and telescopically stowed in the port side main deck remote controlled by infra red control |
| Interior layout design | Espen Oeino International |
| Interior design, décor | Art Line |
| Structural Engineering | Danish Yacht/SP Technologies |
| Builder | Danish Yacht |